THE COMMISSIONER OF PATENTS AND TRADEMARKS WASHINGTON, D.C. 20231

Sir:

Transmitted herewith for filing is the Utility patent application of:

INVENTOR:	MASAYUKI TAKASE, NORIHIKO MORIWAKI, MITSUHIRO WADA, HIROAKI KASAHARA and Takahiko KOZAKI

FOR:

LEAKY BUCKET TYPE TRAFFIC SHAPER AND BANDWIDTH CONTROLLER

Enclosed are:

- □ 14 sheets of □ formal □ informal drawings.
- ☑ Transmittal of Japanese Patent app. 2001-399076 to claim priority date of December 28, 2001.
- Applicant requests non-publication.
- An assignment of the invention to Hitachi, Ltd.
 - An Information Disclosure Statement with references.

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For	NUMBER FILED		NUMBER EXTRA	RATE	CALCULATIONS
TOTAL CLAIMS	16	-20		x\$18 =	0.00
INDEPENDENT CLAIMS	4	-3	1	x\$84 =	84.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable) +\$280 =					S
BASIC FEE					\$740.00
	311		TOTAL OF ABOVE		824.00
REDUCTION BY 1/2 FOR F			e 37 C.F.R. §§ 1.9, 1.27, 1.28	i).	
J. S. L. S. S. C. VERGEL				TOTAL	824.00

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- A check in the amount of \$864.00 to cover the filing fee and assignment recordation fee is enclosed.
- The Commissioner is hereby authorized to charge any additional fees associated with this communication, including patent application filing fees and processing fees under 37 C.F.R. § 1.16 and 1.17, or credit any overpayment to Deposit Account Number 08-1480.

Starley P. Fishe Registration Number 24,344

JUAN CARLOS A. MARQUEZ Registration No. 34,072

REED SMITH LLP 3110 Fairview Park Drive Suite 1400 Falls Church, Virginia 22042 (703) 641-4200 February 22, 2002